Volume 8 1994

BRAIN INJURY

Taylor & Francis
Publishers since 1798

BRAIN INJURY

Editor-in-Chief Henry H. Stonnington
Department of Physical Medicine and Rehabilitation, University of Missouri-Columbia Medical School, Rusk Rehabilitation Center DC 046, 1 Hospital Drive, Columbia, Missouri 65212, USA. Tel.: +1 (314) 882 0008; Fax: +1 (314) 884 4540.

Associate Editor Nathan Cope
NeuroCare, Inc., 1001 Galaxy Way, Suite 400, Concord, California 94520, USA. Tel.: +1 (510) 686 5500; Fax: +1 (510) 680 4469.

Editor: Europe William W. McKinlay
ScotCare Brain Injury Rehabilitation Unit, Murdostoun Castle, Bonkle, Newmains, Wishaw ML2 7BY, Scotland, UK. Tel.: +44 (0698) 384055; Fax: +44 (0698) 383199.

Editor: Japan Takashi Tsubokawa
Department of Neurological Surgery, Nihon University School of Medicine, 30–11 Oyaguchi-kamimachi, Itabashi-ku, Tokyo 173, Japan. Tel: +81 (33) 972 8111; Fax: +81 (33) 554 0425.

Editorial Board

Donald Becker
UCLA, CA, USA
Michael Bond
University of Glasgow, UK
D. N. Brooks
Kemsley Unit, St Andrew's Hospital, Northampton, UK
David Burke
Royal Talbot Hospital, Australia
Alexandre Castro-Caldas
Hospital Santa Maria, Lisbon, Portugal
John D. Corrigan
Ohio State University, OH, USA
Arnstein Finset
Sunaas Rehabilitation Hospital, Norway
Jack D. Grabow
Mayo Clinic, MN, USA
Zeev Groswasser
Lowenstein Hospital Rehabilitation Center, Israel
Kenneth M. Jaffe
University of Washington, WA, USA
John A. Jane
University of Virginia, VA, USA
H. Janzik
Neurologisches Rehabilitationszentrum, Bonn, Germany
Bryan Jennett
University of Glasgow, UK
Robert M. Knights
Carleton University, Canada
Jeffrey S. Kreutzer
Virginia Commonwealth University, USA
Becky W. Mahler
Sheltering Arms Rehabilitation Hospital, VA, USA
Dennis J. Matthews
Children's Hospital, Denver, CO, USA
Anna Mazzucchi
University of Parma, Italy
J. Douglas Miller
University of Edinburgh, UK
Harvey M. Shapiro
UC San Diego, CA, USA
Glenn M. Seliger
Helen Hayes Hospital, NY, USA
Donald G. Stein
Rutgers University, Newark, NJ, USA
Inger Vibeke Thomsen
Rigshospitalet, Copenhagen, Denmark
Jean-Luc Truelle
CMC Foch, Suresnes, France
Nathan D. Zasler
National Neurorehabilitation Consortium, Inc., Richmond, VA, USA
Ed Van Zomeren
Rijksuniversiteit Groningen, The Netherlands

BRAIN INJURY

Contents of Volume 8 1994

Volume 8, Number 1, January 1994

Contents

Editorial:
The Third Annual Conference of the International Association for the Study of Traumatic Brain Injury 1

Original Papers:
Efficacy study of THINKable in the attention and memory retraining of traumatically head-injured patients
Ronald Ruff, Robert Mahaffey, Jeremy Engel, Charles Farrow, David Cox and Peter Karzmark 3

Recovery of fusional convergence after systematic practice
G. Kerkhoff and E. Stögerer 15

Fear of incontinence and its effects on a community-based rehabilitation programme after severe brain injury: successful remediation of escape behaviour using behaviour modification
Heather A. Youngson and Nick Alderman 23

Economic aspects of capacity for work after severe traumatic brain lesions
Wilhelm Schalén, Göran Nordström and Carl-Henrik Nordström 37

Psychosocial outcome 5–8 years after severe traumatic brain lesions and the impact of rehabilitation services
Wilhelm Schalén, Lars Hansson, Göran Nordström and Carl-Henrik Nordström 49

Cognitive beliefs following severe traumatic brain injury: association with post-injury employment status
Andrew A. Lubusko, Allan D. Moore, Michael Stambrook and Daryl D. Gill 65

New methodology:
A process approach to memory book training for neurological patients
John M. Burke, Jennifer A. Danick, Brian Bemis and Charles J. Durgin 71

Case study:
Neuropsychological sequelae of methyl bromide: a case study
Thomas J. Reidy, John F. Bolter and James E. Cone 83

Comment:
The 'locked-in' syndrome—comments from a survivor
Andrea E. Ostrum 95

Announcements 99

Volume 8, Number 2, February–March 1994

Original Papers:
Perceptual speech characteristics of dysarthric speakers following severe closed head injury
Deborah G. Theodoros, Bruce E. Murdoch and Helen J. Chenery 101

Visual evoked potentials (VEP) evaluating treatment for post-trauma vision syndrome (PTVS) in patients with traumatic brain injuries (TBI)
W. V. Padula, S. Argyris and J. Ray 125

Affective symptoms in the chronic stage of traumatic brain injury: a study of married couples
Richard T. Linn, Karen Allen and Barry S. Willer 135

The public perception of head injury in Missouri
Susan L. Vaughn, Robert G. Frank, Laurie R. Leach, Grant O'Neal and Judith Sylvester 149

Characteristic reactions of relatives of post-coma unawareness patients in the process of adjusting to loss
T. Tzidkiahu, L. Sazbon and P. Solzi 159

Use of the Children's Orientation and Amnesia Test at hospital discharge for children with neurological and non-neurological traumatic injuries
Mary Jo Baryza and Stephen M. Haley 167

Measuring post-traumatic amnesia (PTA): an historical review
Glenys Forrester, Jason Encel and Gina Geffen 175

Managing myoclonus secondary to anoxic encephalopathy through EMG biofeedback
Stephane Duckett and Terri Kramer 185

Book reviews 189

Announcement 191

Volume 8, Number 3, April 1994

Editorial:
Families and rehabilitation
Robert G. Frank 193

Original Papers:
Primary caregivers' psychological status and family functioning after traumatic brain injury
J. S. Kreutzer, A. H. Gervasio and P. S. Camplair 197

Patient correlates of caregivers' distress and family functioning after traumatic brain injury
J. S. Kreutzer, A. H. Gervasio and P. S. Camplair 211

Day of injury CT scan as an index to pre-injury brain morphology
E. D. Bigler, R. Burr, S. Gale, M. Norman, S. Kurth, D. Blatter and T. Abildskov 231

Follow-up studies of somatosensory evoked potentials and auditory brainstem evoked potentials in patients with post-coma unawareness (PCU) of traumatic brain injury
O. Keren, L. Sazbon, Z. Groswasser and M. Shmuel 239

Mild pediatric traumatic brain injury: adjusting significance levels for multiple comparisons
N. L. Polissar, G. C. Fay, K. M. Jaffe, S. Liao, K. M. Martin, H. A. Shurtleff, J. B. Rivara and H. R. Winn 249

Social cognitive factors in brain injury-associated personality change
Jacqueline Santoro and Mary Spiers 265

Case study:
Whatever happened after the 'return from silence'?
Faye M. Jordan 277

Case report:
Neuropsychological toxicology of methylene diphenyl diisocyanate: a report of five cases
Thomas J. Reidy and John F. Bolter 285

Announcement 295

Volume 8, Number 4, May–June 1994

Original Papers:
Selected cases of poor outcome following a minor brain trauma: comparing neuropsychological and positron emission tomography assessment
R. M. Ruff, J. A. Crouch, A. I. Tröster, L. F. Marshall, M. S. Buchsbaum, S. Lottenberg and L. M. Somers 297

The Sensory Stimulation Assessment Measure (SSAM): a tool for early evaluation of severely brain-injured patients
Mark A. Rader and David W. Ellis 309

Expert opinion in the identification of variables for the measurement of early recovery in adults with traumatic brain injury
B. R. Swaine, S. J. Sullivan and D. Sicotte 323

Post-traumatic hyperthermia in acute brain injury rehabilitation
M. K. Childers, J. Rupright and D. W. Smith 335

Carbon monoxide poisoning and frontal lobe pathology: two case reports and a discussion of the literature
A. W. Deckel 345

The use of cranial electrotherapy stimulation in the treatment of closed-head-injured patients
R. B. Smith, A. Tiberi and J. Marshall 357

Case study:
The challenge of unintelligible speech following traumatic brain injury
Monica McHenry and Robin Wilson 363

Case report:
Oedipism in a patient with frontal lobe encephalomalacia
S. Waldfogel, H. L. Field and L. Wu 377

Review
Towards a more integrated approach to job placement and retention for persons with traumatic brain injury and premorbid disadvantages
Kenneth G. Skord and S. Vincent Miranti 383

Erratum 393

Announcement 394

Volume 8, Number 5, July 1994

Original Papers:
Neurobehavioural performance of adults with closed-head injury, adults with attention deficit, and controls
E. Arcia and C. T. Gualtieri 395

Auditory verbal learning test components as measures of the severity of closed-head injury
G. M. Geffen, P. Butterworth, G. M. Forrester and L. B. Geffen 405

Brain injury: personality, psychopathology and neuropsychology
S. Burns, R. Kappenberg, A. McKenna and C. Wood 413

A survey of treatments for post-concussion syndrome
Wiley Mittenberg and D. Bradley Burton 429

Stability of functional outcomes following transitional living programme participation: 3-year follow-up
L. Harrick, L. Krefting, J. Johnston, P. Carlson and P. Minnes 439

Right hemispace presentation and left cueing on Raven's Coloured Progressive Matrices among right brain-damaged neglect patients
V. M. Soukup, E. H. Harrell and T. Clark 449

Increased prevalence of left-handedness in victims of head trauma
Elaine MacNiven 457

Examining perspective-taking in the severely head-injured
Mary V. Spiers, Judith A. Pouk and Jacqueline M. Santoro 463

Hypothalamic dysthermia in persons with brain damage
Robert H. Chaney and Charles E. Olmstead 475

Book reviews 483

Announcement 487

Volume 8, Number 6, August–September 1994

Original Papers:
Neuropsychological outcome and quantitative image analysis of acute haemorrhage in traumatic brain injury: preliminary findings
S. M. Kurth, E. D. Bigler and D. D. Blatter 489

Severe closed-head injury in childhood: linguistic outcomes into adulthood
Faye M. Jordan and Bruce E. Murdoch 501

Re-examining the concept of severity in traumatic brain injury
P. P. Wong, J. Dornan, A. M. Keating, C. T. Schentag and R. Y. Ip 509

Post-coma disturbance and post-traumatic amnesia as nonlinear predictors of cognitive outcome following severe closed head injury: findings from the Westmead Head Injury Project
C. Haslam, J. Batchelor, M. R. Fearnside, S. A. Haslam, S. Hawkins and E. Kenway 519

Maintenance and generalization of behaviours after treatment of persons with traumatic brain injury
Leslie F. Lloyd and Anthony J. Cuvo 529

Event-related potential indices of visual attention following moderate to severe closed head injury
Sue L. Cremona-Meteyard and Gina M. Geffen 541

Massive pulmonary embolization with cerebral tissue due to gunshot wound to the head
S. Miyaishi, F. Moriya, Y. Yamamoto and H. Ishizu 559

The role of caudate nucleus and corpus callosum atrophy in trauma-induced anterior horn dilation
Carol V. Anderson and Erin D. Bigler 565

Male pituitary–gonadal dysfunction following severe traumatic brain injury
Su-Ching Lee, Nathan D. Zasler and Jeffrey S. Kreutzer 571

Volume 8, Number 7, October 1994

Original Papers:
Oral physostigmine and impaired memory in adults with brain injury
D. D. Cardenas, A. McLean, Jr, L. Farrell-Roberts, L. Baker, M. Brooke and J. Haselkorn 579

Natural and structured baselines in the treatment of aggression following brain injury
J. R. Davis, W. Turner, A. Rolider and T. Cartwright 589

Family functioning, social support and depression after traumatic brain injury
L. R. Leach, R. G. Frank, D. E. Bouman and J. Farmer 599

Swallowing difficulties and early CNS injuries: correlation with the presence of axial skeletal deformities
J. DeToledo, J. Icovinno and H. Haddad 607

Agreement of classification decisions using two measures of motor co-ordination in persons with a traumatic brain injury
S. J. Sullivan, A. E. Ornstein and B. R. Swaine 613

Case report:
Persistent absence of auditory brainstem responses with preserved hearing and recovery from a prolonged comatose state
Takamitsu Yamamoto, Yoichi Katayama and Takashi Tsubokawa 623

Review of subject:
After traumatic brain injury: a discussion of consequences
Margaret C. Stratton and Robert J. Gregory 631

New concepts:
Whatever It Takes: a model for community-based services
Barry Willer and John D. Corrigan 647

Book review 661

Volume 8, Number 8, November–December 1994

Editorials:
Laryngeal-phonatony dysfunction in closed-head injury
Arnold E. Aronson 663

Interdependence
Henry H. Stonnington 665

Original Papers:
Laryngeal dysfunction in dysarthric speakers following severe closed-head injury
Deborah G. Theodoros and Bruce E. Murdoch 667

The Children's Orientation and Amnesia Test: educational status is a moderator variable in tracking recovery from TBI
G. L. Iverson, A. M. Iverson and E. A. Barton 685

Brain-injured persons in an altered state of consciousness: measures and intervention strategies
Lise R. Talbot and Harry A. Whitaker 689

Late outcome of mild head injury: results from a controlled postal survey
N. Bohnen, W. Van Zutphen, A. Twijnstra, G. Wijnen, J. Bongers and J. Jolles 701

Clinical use of amantadine in brain injury rehabilitation
J. L. Nickels, W. N. Schneider, M. L. Dombovy and T. M. Wong 709

Thromboembolic infarcts occurring after mild traumatic brain injury in a paediatric patient with Noonan's syndrome
Christopher A. Hinnant 719

Case study:
Optimizing outcome through cognitive therapy and advocacy: a case study
George Fluharty, Cindy Sellon and Nathan Glassman 729

Case report:
Hypotensive effects of thioridazine in an elderly patient with traumatic brain injury
Todd D. Cowen and Jay M. Meythaler 735

Index of authors 739